

From: Mundel, Anne (DNREC)
Sent: Thursday, December 11, 2014 3:25 PM
To: Pongratz, Alan E. (DNREC)
Cc: Rios, Ricardo (DNREC); Beckel, Anita (DNREC); Cargill IV, John G. (DNREC)
Subject: FW: Domestic Well [REDACTED] Blades

Domestic well permit application [REDACTED] was submitted to Groundwater Protection Branch (GPB) for hydrogeological review due to its proximity to Peninsula Plating, Site Investigation and Restoration Section (SIRS) site Facility Id. DE-0287 and Procino Plating SIRS Facility Id. DE-0344: located approximately [REDACTED] **Ex. 9 Wells & Ex. 6 Personal Privacy** The well is proposed to be constructed with the screen interval from 90 to 100 feet below ground surface (bgs). The gravel pack is proposed from 30 to 100 feet bgs with bentonite grout to extend from the top of the gravel pack to the ground surface.

The DEN database reports that the U.S. EPA performed an emergency removal in 1995 at SIRS Facility Id. DE-0287. Two underground storage tanks were removed with the oversight of DNREC Tank Management Section (TMS) in 2007. A Certificate of Completion was executed on 12/28/2007. The site is currently inactive and does not require land use restrictions or operation and maintenance activities.

John Cargill of SIRS was contacted for additional information regarding the Procino Plating site. In a phone conversation on December 11, 2014, we discussed his finding in the September 2011, SIRS Site Inspection of Procino Plating Report. Groundwater flow direction from the Procino site range from southwest, south, to the southeast. Twenty domestic wells were sampled and analyzed for trace metals, volatile organic compounds, and cyanide. Based on the occurrence of trace metals, there are impacts to the shallow groundwater in the area of the proposed supply well in question.

Based on the available information GPB in concurrence with SIRS, approves of the proposed well construction with the following permit conditions:

*95 Site Specific: The well shall be constructed with the gravel pack interval extending no further than five feet above the screen interval. Natural fill or drill cuttings shall not be used in the construction of this well. The annulus shall be pressure grouted with bentonite clay from the top of the gravel pack to the ground surface.

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